

HEMPSTEAD RESOURCE RECOVERY FACILITY WESTBURY, NEW YORK

The Hempstead Resource Recovery Facility, of Westbury, New York, part of the American Ref-Fuel Company, combusts municipal solid waste to recover energy and increase space. The material is reduced to ash, and the remaining metals are recovered for further use, and the heat generated during combustion is saved for electricity generation. The facility is also a Star designee of OSHA's Voluntary Protection Program.

AT A GLANCE:

Industry Sector:	NAICS 562213 NAICS 221119
Business:	combusts municipal solid waste
Facility Employees:	50-99
Accomplishments:	Reduced total solid waste Reduced hazardous solid waste
Commitments:	Reduce total water use Reduce total energy use Reduce hazardous solid waste Reduce total water use
Address:	600 Merchants Concourse Westbury, NY 11590
Web site:	www.ref-fuel.com

ENVIRONMENTAL PERFORMANCE

Past Accomplishments

Hempstead Resource Recovery Facility has demonstrated its commitment to environmental performance through reduced total solid waste and hazardous solid waste. Since 1999, the facility has:

- **Reduced total solid waste landfilled** per ton produced and has also improved non-ferrous waste recovery by 451% by installing a metal recovery system, which then reduced the amount of material to be landfilled.
- **Reduce hazardous solid waste** 20% by purchasing mercury free lamps, which require no special disposal and can be processed at the facility.

Future Commitments

Hempstead Resource Recovery Facility is working to reduce total water use, total energy use, and hazardous solid waste. By 2004, the facility will:

- **Reduce total water use** by 5.5 million gallons through a process where stormwater is collected and recharged as groundwater and then used to displace raw water, thus reducing the water withdrawn from local wells.
- **Reduce total energy used** by reducing the amount of Mmbtus consumed by the facility per MW energy sold through improving manufacturing practices, system setpoints, and preventive maintenance.

- **Reduce hazardous solid waste** 78% by replacing an old parts washer with one that recycles its own cleaning solvent, thus eliminating the disposal of the hazardous solid waste.
- **Reduce total water use** 72% by creating a system whereby water can be captured during system repairs, thus eliminating the need for disposal and the raw water to be replaced.

COMMUNITY OUTREACH

The facility has a 24-hour hotline to respond to community concerns and also participates regularly in the area's Solid Waste Advisory Committee. The facility also hosts tours, publishes notices in area papers, and sponsors community events. The facility's Annual Performance Report will be made available at the Solid Waste Advisory Committee meeting and on the facility website at www.ref-fuel.com